Serial Number: *09/183,672 A*

ENTERED *#5*

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☑ Other: *Corrected misaligned amino acid numbering.*
Seqs. 378, 525.
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1644

```
                    RAW SEQUENCE LISTING            DATE: 09/11/2000
                    PATENT APPLICATION:   US/09/483,672A    TIME: 10:24:17

                    Input Set : A:\Pto.amc
                    Output Set: N:\CRF3\09112000\I483672A.raw
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    3 <110> APPLICANT: Xu, Jiangchun
    4        Dillon, Davin C.
    5        Mitcham, Jennifer L.
    6        Harlocker, Susan Louise
    7        Jiang Yuqui
    8        Reed, Steven G.
    9        Kalos, Michael D.
   10        Fanger, Gary R.
   11        Retter, Marc W.
   12        Solk, John A.
   13        Day, Craig H.
   14        Skeiky, Yasir A.W.
   15        Wang, Aijun
   16        Meagher, Madeleine
   18 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
   19        DIAGNOSIS OF PROSTATE CANCER
   21 <130> FILE REFERENCE: 210121.42711C11
C--> 23 <140> CURRENT APPLICATION NUMBER: US/09/483,672A
   24 <141> CURRENT FILING DATE: 2000-01-14
   26 <160> NUMBER OF SEQ ID NOS: 590
   28 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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   43  ccagggggtc cagtccctct ccttacttca tccccatccc atgccaaagg aagaccctcc    180
   44  ctccttggct cacagccttc tctaggcttc ccagtgcctc caggacagag tgggttatgt    240
   45  tttcagctcc atccttgctg tgagtgtctg gtgcgttgtg cctccagctt ctgctcagtg    300
   46  cttcatggac agtgtccagc acatgtcact ctccactctc tcagtgtgga tccactagtt    360
   47  ctagagcggc cgccaccgcg gtggagctcc agcttttgtt ccctttagtg agggttaatt    420
   48  gcgcgcttgg cgtaatcatg gtcataactg tttcctgtgt gaaattgtta tccgctcaca    480
   49  attccacaca acatacgagc cggaagcata aagtgtaaag cctgggtgc ctaatgagtg    540
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W--> 51  tgccagctgc attaatgaat cggccaacgc ncggggaaaa gcggtttgcg ttttggggc    660
W--> 52  tcttccgctt ctcgctcact nantcctgcg ctcggtcntt cggctgcggg gaacggtatc    720
W--> 53  actcctcaaa ggnggtatta cggttatccn naaatcnggg gatacccngg aaaaaanttt    780
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   57 <211> LENGTH: 816
   58 <212> TYPE: DNA
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        69  ctaaagtctg atgaacttcc caatcagatg agcatggatg attggccaga aatgaagaag     180
        70  aagtttgcag atgtatttgc aaagaagacg aaggcagagt ggtgtcaaat ctttgacggc     240
        71  acagatgcct gtgtgactcc ggttctgact tttgaggagg ttgttcatca tgatcacaac     300
        72  aaggaacggg gctcgtttat caccagtgag gagcaggacg tgagcccccg ccctgcacct     360
        73  ctgctgttaa acaccccagc catcccttct ttcaaaaggg atccactagt tctagaagcg     420
        74  gccgccaccg cggtggagct ccagcttttg ttccctttag tgagggttaa ttgcgcgctt     480
        75  ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccccc     540
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W--> 77  cattaattgc gttgcgctca ctgcccgctt ccagtcggg aaaactgtcg tgccactgcn     660
W--> 78  ttantgaatc ngccaccccc cgggaaaagg cggttgcntt ttgggcctct tccgctttcc     720
W--> 79  tcgctcattg atcctngcnc ccggtcttcg gctgcggnga acggttcact cctcaaaggc     780
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        90 <223> OTHER INFORMATION: n = A,T,C or G
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        94  tcctgctcct cactggtgat aaacgagccc cgttccttgt tgtgatcatg atgaacaacc     120
        95  tcctcaaaag tcagaaccgg agtcaacacag gcatctgtgc cgtcaaagat ttgacaccac     180
        96  tctgccttcg tcttctttgc aaatacatct gcaaacttct tcttcatttc tggccaatca     240
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        98  tcgtagaact ggggttctat tgctccaaca gccatgaatt ccccatctgc tgtcctgtaa     360
        99  gtcgtataga aaggtgctcc accatccaac atgttctgtc ctcgaggggg ggcccggtac     420
W--> 100  ccaattcgcc ctatantgag tcgtattacg cgcgctcact ggccgtcgtt ttacaacgtc     480
       101  gtgactggga aaaccctggg cgttaccaac ttaatcgcct tgcagcacat ccccctttcg     540
W--> 102  ccagctgggc gtaatancga aaaggcccgc accgatcgcc cttccaacag ttgcgcacct     600
W--> 103  gaatgggnaa atgggacccc cctgttaccg cgcattnaac ccccgcnggg tttngttgtt     660
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       113 <221> NAME/KEY: misc_feature
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RAW SEQUENCE LISTING              DATE: 09/11/2000
PATENT APPLICATION:  US/09/483,672A    TIME: 10:24:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\09112000\I483672A.raw
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      120  tcggaacact ggctgtctct gaagacttct cgctcagttt cagtgaggac acacacaaag   180
      121  acgtgggtga ccatgttgtt tgtggggtgc agagatggga ggggtggggc ccaccctgga   240
      122  agagtggaca gtgacacaag gtggacactc tctacagatc actgaggata agctggagcc   300
W--> 123  acaatgcatg aggcacacac acagcaagga tgacnctgta aacatagccc acgctgtcct  ·360
W--> 124  gngggcactg ggaagcctan atnaggccgt gagcanaaag aaggggagga tccactagtt   420
W--> 125  ctanagcggc cgccaccgcg gtgganctcc ancttttgtt ccctttagtg agggttaatt   480
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W--> 127  attccacaca acatacgganc cggaaacata aantgtaaac ctggggtgcc taatgantga   600
W--> 128  ctaactcaca ttaattgcgt tgcgctcact gcccgctttc caatcnggaa acctgtcttg   660
W--> 129  ccncttgcat tnatgaatcn gccaacccc gggggaaaagc gtttgcgttt tgggcgctct    720
W--> 130  tccgcttcct cnctcantta ntccctncnc tcggtcattc cggctgcngc aaaccggttc   780
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      134 <211> LENGTH: 834
      135 <212> TYPE: DNA
      136 <213> ORGANISM: Homo sapien
      138 <220> FEATURE:
      139 <221> NAME/KEY: misc_feature
      140 <222> LOCATION: (1)...(834)
      141 <223> OTHER INFORMATION: n = A,T,C or G
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      145  agttttaatt gcatccaaag tactaacaaa aactctagca atcaagaatg gcagcatgtt   120
      146  attttataac aatcaacacc tgtggctttt aaaatttggt tttcataaga taatttatac   180
      147  tgaagtaaat ctagccatgc ttttaaaaaa tgctttaggt cactccaagc ttggcagtta   240
      148  acatttggca taaacaataa taaaacaatc acaatttaat aaataacaaa tacaacattg   300
      149  taggccataa tcatatacag tataaggaaa aggtggtagt gttgagtaag cagttattag   360
      150  aatagaatac cttggcctct atgcaaatat gtctagacac tttgattcac tcagccctga   420
      151  cattcagttt tcaaagtagg agacaggttc tacagtatca ttttacagtt tccaacacat   480
      152  tgaaaacaag tagaaaatga tgagttgatt tttattaatg cattacatcc tcaagagtta   540
      153  tcaccaaccc ctcagttata aaaaatttc aagttatatt agtcatataa cttggtgtgc   600
      154  ttattttaaa ttagtgctaa atggattaag tgaagacaac aatggtcccc taatgtgatt   660
W--> 155  gatattggtc atttttacca gcttctaaat ctnaactttc aggcttttga actggaacat   720
W--> 156  tgnatnacag tgttccanag ttncaaccta ctggaacatt acagtgtgct tgattcaaaa   780
W--> 157  tgttattttg ttaaaaatta aattttaacc tggtggaaaa ataatttgaa atna          834
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      160 <211> LENGTH: 818
      161 <212> TYPE: DNA
      162 <213> ORGANISM: Homo sapien
      164 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 10:24:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\09112000\I483672A.raw

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        172  tgtaaagtga aatattagtt ggcggatgaa gcagatagtg aggaaagttg agccaataat      180
        173  gacgtgaagt ccgtggaagc ctgtggctac aaaaaatgtt gagccgtaga tgccgtcgga      240
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        177  ttctagggga tttagcgggg tgatgcctgt tgggggccag tgccctccta gttggggggt      480
        178  aggggctagg ctggagtggt aaaaggctca gaaaaatcct gcgaagaaaa aaacttctga      540
        179  ggtaataaat aggattatcc cgtatcgaag gccttttggg acaggtggtg tgtggtggcc      600
        180  ttggtatgtg ctttctcgtg ttacatcgcg ccatcattgg tatatggtta gtgtgttggg      660
W--> 181  ttantanggc ctantatgaa gaacttttgg antggaatta aatcaatngc ttggccggaa      720
W--> 182  gtcattanga nggctnaaaa ggccctgtta ngggtctggg ctnggtttta cccnacccat      780
W--> 183  ggaatncncc ccccggacna ntgnatccct attcttaa                              818
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        191  <221> NAME/KEY: misc_feature
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        198  ggtttgctcc acagatttca gagcattgac cgtagtatac ccccggtcgt gtagcggtga      180
        199  aagtggtttg gtttagacgt ccgggaattg catctgtttt taagcctaat gtggggacag      240
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W--> 208  acnattggat nccccanttc canaaanggc cnccccccgg tgnannccnc cttttgttcc      780
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        224  ctgaagcgca cgtcccagaa ggtggacttg gcactgaaac agctgggaca catccgcgag      180
        225  tacgaacagc gcctgaaagt gctggagcgg gaggtccagc agtgtagccg cgtcctgggg      240
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                  RAW SEQUENCE LISTING              DATE: 09/11/2000
                  PATENT APPLICATION:  US/09/483,672A     TIME: 10:24:17

                  Input Set : A:\Pto.amc
                  Output Set: N:\CRF3\09112000\I483672A.raw

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     250   caaggacaag gccaccaggt gcggggggccg aagcccacat gatccttact ctatgagcaa     180
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     276   agatcctgcc ctacacactg gcctccctct accaccggga gaagcaggtg ttcctgccca     180
     277   aataccgagg ggacactgga ggtgctagca gtgaggacag cctgatgacc agcttcctgc     240
     278   caggccctaa gcctggagct cccttcccta atggacacgt gggtgctgga ggcagtggcc     300
     279   tgctcccacc tccacccgcg ctctgcgggg cctctgcctg tgatgtctcc gtacgtgtgg     360
W--> 280   tggtgggtga gcccaccgan gccagggtgg ttccgggccg gggcatctgc ctggacctcg     420
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VERIFICATION SUMMARY   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 10:24:18

Input Set : A:\Pto.amc
Output Set: N:\CRF3\09112000\I483672A.raw

L:23 M:270 C: Current Application Number differs, Wrong Format
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
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L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

VERIFICATION SUMMARY   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 10:24:18

Input Set : A:\Pto.amc
Output Set: N:\CRF3\09112000\I483672A.raw

```
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:698 M:283 W: Missing Blank Line separator, <210> field identifier
L:1467 M:283 W: Missing Blank Line separator, <400> field identifier
L:10018 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10018 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
M:340 Repeated in SeqNo=502
L:10020 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10031 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10031 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
M:340 Repeated in SeqNo=503
L:10033 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
```

VERIFICATION SUMMARY   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 10:24:18

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\09112000\I483672A.raw**

```
L:10037 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:508
L:10107 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:508
```

1644

```
           RAW SEQUENCE LISTING              DATE: 09/11/2000
           PATENT APPLICATION:  US/09/483,672A     TIME: 15:29:37

           Input Set : A:\42711c11.app
           Output Set: N:\CRF3\09112000\I483672A.raw

     3 <110> APPLICANT: Xu, Jiangchun
     4        Dillon, Davin C.
     5        Mitcham, Jennifer L.
     6        Harlocker, Susan Louise
     7        Jiang Yuqui
     8        Reed, Steven G.
     9        Kalos, Michael D.
    10        Fanger, Gary R.
    11        Retter, Marc W.
    12        Solk, John A.
    13        Day, Craig H.
    14        Skeiky, Yasir A.W.
    15        Wang, Aijun
    16        Meagher, Madeleine
    18 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
    19        DIAGNOSIS OF PROSTATE CANCER
    21 <130> FILE REFERENCE: 210121.42711C11
C--> 23 <140> CURRENT APPLICATION NUMBER: US/09/483,672A
    24 <141> CURRENT FILING DATE: 2000-01-14
    26 <160> NUMBER OF SEQ ID NOS: 590
    28 <170> SOFTWARE: FastSEQ for Windows Version 3.0


ERRORED SEQUENCES

    7200 <210> SEQ ID NO: 378
    7201 <211> LENGTH: 1719
    7202 <212> TYPE: PRT
    7203 <213> ORGANISM: Homo sapien
    7205 <400> SEQUENCE: 378
    7206  Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys
    7207  1               5                  10                  15
    7208  Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe
    7209              20                  25                  30
    7210  Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
    7211          35                  40                  45
    7212  His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
    7213      50                  55                  60
    7214  Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
    7215  65                  70                  75                  80
    7216  Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
    7217              85                  90                  95
    7218  Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
    7219              100                 105                 110
    7220  Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
    7221          115                 120                 125
    7222  Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
```

Input Set : A:\4271lcll.app
Output Set: N:\CRF3\09112000\I483672A.raw

```
7223        130                    135                    140
7224   Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
7225   145                    150                    155                    160
7226   Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala
7227                       165                    170                    175
7228   Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
7229                       180                    185                    190
7230   Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
7231                   195                    200                    205
7232   Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
7233              210                    215                    220
7234   Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
7235   225                    230                    235                    240
7236   Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
7237                       245                    250                    255
7238   Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
7239                   260                    265                    270
7240   Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
7241               275                    280                    285
7242   Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
7243              290                    295                    300
7244   Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
7245   305                    310                    315                    320
7246   Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
7247                       325                    330                    335
7248   Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
7249                   340                    345                    350
7250   Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
7251              355                    360                    365
7252   Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
7253   370                    375                    380
7254   Pro Arg Thr His Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser
7255   385                    390                    395                    400
7256   Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys
7257                   405                    410                    415
7258   Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly
7259               420                    425                    430
7260   Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys
7261              435                    440                    445
7262   Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly
7263   450                    455                    460
7264   Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys
7265   465                    470                    475                    480
7266   Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys
7267                   485                    490                    495
7268   Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp
7269               500                    505                    510
7270   Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu
7271              515                    520                    525
```

Input Set : A:\4271lcll.app
Output Set: N:\CRF3\09112000\I483672A.raw

```
7272 Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp
7273     530                 535                 540
7274 Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln
7275 545                 550                 555                 560
7276 Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val
7277             565                 570                 575
7278 Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn
7279             580                 585                 590
7280 Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu
7281      595                 600                 605
7282 Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp
7283     610                 615                 620
7284 Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys
7285 625                 630                 635                 640
7286 Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys
7287             645                 650                 655
7288 Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys
7289             660                 665                 670
7290 Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala
7291      675                 680                 685
7292 Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly
7293     690                 695                 700
7294 Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser
7295 705                 710                 715                 720
7296 Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser
7297             725                 730                 735
7298 His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln
7299             740                 745                 750
7300 Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys
7301      755                 760                 765
7302 Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser
7303     770                 775                 780
7304 Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp
7305 785                 790                 795                 800
7306 Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly
7307             805                 810                 815
7308 Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn
7309             820                 825                 830
7310 Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe
7311      835                 840                 845
7312 Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser
7313     850                 855                 860
7314 Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn
7315 865                 870                 875                 880
7316 Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu
7317             885                 890                 895
7318 Glu Gly Ser Glu Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile
7319             900                 905                 910
7320 Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn
```

```
                    RAW SEQUENCE LISTING                DATE: 09/11/2000
                    PATENT APPLICATION:  US/09/483,672A      TIME: 15:29:38

                    Input Set : A:\4271lcl1.app
                    Output Set: N:\CRF3\09112000\I483672A.raw

        7321          915                  920                  925
        7322    Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro
        7323          930                  935                  940
        7324    Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu
        7325    945                  950                  955                  960
        7326    Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe
        7327                         965                  970                  975
        7328    Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His
        7329                980                  985                  990
        7330    Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser
        7331          995                  1000                 1005
        7332    Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu
        7333          1010                 1015                 1020
        7334    Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His
E-->    7335    1025                 1030                 1035                 104
        7336    Gln Ser Gln Leu Pro Arg Thr His Met Val Val Glu Val Asp Ser Met
        7337                         1045                 1050                 1055
        7338    Pro Ala Ala Ser Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met
        7339                1060                 1065                 1070
        7340    Gly Lys Trp Cys Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys
        7341          1075                 1080                 1085
        7342    Ser Asn Val Gly Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr
        7343          1090                 1095                 1100
        7344    Leu Arg Ser Lys Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys
E-->    7345    1105                 1110                 1115                 112
        7346    Arg Gly Ser Gly Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp
        7347                1125                 1130                 1135
        7348    Ser Ala Met Lys Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His
        7349                1140                 1145                 1150
        7350    Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp
        7351          1155                 1160                 1165
        7352    Gly Asp Tyr Asp Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg
        7353          1170                 1175                 1180
        7354    Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val
E-->    7355    1185                 1190                 1195                 120
        7356    Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys
        7357                1205                 1210                 1215
        7358    Lys Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly
        7359                1220                 1225                 1230
        7360    Asn Ser Glu Val Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn
        7361          1235                 1240                 1245
        7362    Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys
        7363          1250                 1255                 1260
        7364    Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro
E-->    7365    1265                 1270                 1275                 128
        7366    Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr
        7367                1285                 1290                 1295
        7368    Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp
        7369                1300                 1305                 1310
```

Invalid Amino Acid Numbering.
Right side:

His → 1040
His → 1040
104

Cys → 1120
Cys → 1120
112

Val → 1200
Val → 1200
120

Pro → 1280
Pro → 1280
128

```
              RAW SEQUENCE LISTING             DATE: 09/11/2000
              PATENT APPLICATION:  US/09/483,672A    TIME: 15:29:38

              Input Set : A:\4271lcll.app
              Output Set: N:\CRF3\09112000\I483672A.raw

       7370  Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val
       7371          1315              1320              1325
       7372  His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala
       7373          1330              1335              1340
       7374  Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala
E--> 7375  1345              1350              1355              136
       7376  Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn
       7377              1365              1370              1375
       7378  Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr
       7379          1380              1385              1390
       7380  Ala Val Ser Ser His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr
       7381          1395              1400              1405
       7382  Lys Glu Lys Gln Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu
       7383          1410              1415              1420
       7384  Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly
E--> 7385  1425              1430              1435              144
       7386  Ser Glu Asn Ser Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn
       7387              1445              1450              1455
       7388  Lys Asp Gly Asp Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser
       7389          1460              1465              1470
       7390  Asn Asn Val Gly Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly
       7391          1475              1480              1485
       7392  Asn Gly Asp Asn Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu
       7393          1490              1495              1500
       7394  Asn Gln Gln Phe Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys
E--> 7395  1505              1510              1515              152
       7396  Glu Leu Val Ser Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser
       7397              1525              1530              1535
       7398  Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu
       7399              1540              1545              1550
       7400. Ser Gln Arg Leu Glu Gly Ser Glu Asn Gly Gln Pro Glu Lys Arg Ser
       7401          1555              1560              1565
       7402  Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Leu Glu Asn Phe
       7403          1570              1575              1580
       7404  Met Ala Ile Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe
E--> 7405  1585              1590              1595              160
       7406  Pro Glu Asn Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly
       7407              1605              1610              1615
       7408  Leu Ile Pro Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro
       7409              1620              1625              1630
       7410  Asp Thr Glu Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln
       7411          1635              1640              1645
       7412  Lys Gln Phe Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile
       7413          1650              1655              1660
       7414  Leu Ile His Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser
E--> 7415  1665              1670              1675              168
       7416  Glu Leu Ser Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn
       7417              1685              1690              1695
       7418  Ser Thr Leu Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr
```

Same as previous page (handwritten annotation with brace)

RAW SEQUENCE LISTING   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 15:29:38

Input Set : A:\4271lc11.app
Output Set: N:\CRF3\09112000\I483672A.raw

```
7419              1700              1705              1710
7420  Met Lys His Gln Ser Gln Leu
7421              1715
10356 <210> SEQ ID NO: 525
10357 <211> LENGTH: 254
10358 <212> TYPE: PRT
10359 <213> ORGANISM: Homo sapien
10361 <400> SEQUENCE: 525
10362 Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
10363 1               5               10              15
10364 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
10365             20              25              30
10366 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
10367         35              40              45
10368 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
10369         50              55              60
10370 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
10371 65              70              75              80
10372 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
10373             85              90              95
10374 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
10375             100             105             110
10376 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
10377         115             120             125
10378 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
10379         130             135             140
10380 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
10381 145             150             155             160
10382 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
10383             165             170             175
10384 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
10385         180             185             190
10386 Ala Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
10387         195             200             205
10388 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
10389         210             215             220
10390 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
10391 225             230             235             240
10392 Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
E--> 10393 245 2̶5̶0̶ ————> 250
```

Invalid amino acid numbering

VERIFICATION SUMMARY   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 15:29:40

Input Set : A:\4271lcll.app
Output Set: N:\CRF3\09112000\I483672A.raw

```
L:23  M:270 C: Current Application Number differs, Wrong Format
L:50  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:51  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:52  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:53  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:76  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:77  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:78  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:79  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:97  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
```

```
            VERIFICATION SUMMARY                 DATE: 09/11/2000
            PATENT APPLICATION:  US/09/483,672A    TIME: 15:29:40

            Input Set : A:\4271lcl1.app
            Output Set: N:\CRF3\09112000\I483672A.raw

L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:698 M:283 W: Missing Blank Line separator, <210> field identifier
L:1467 M:283 W: Missing Blank Line separator, <400> field identifier
L:7335 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:378
M:332 Repeated in SeqNo=378
L:10018 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10018 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
M:340 Repeated in SeqNo=502
L:10020 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10031 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10031 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
M:340 Repeated in SeqNo=503
L:10033 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
```

VERIFICATION SUMMARY   DATE: 09/11/2000
PATENT APPLICATION: US/09/483,672A   TIME: 15:29:40

Input Set : A:\42711c11.app
Output Set: N:\CRF3\09112000\I483672A.raw

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L:10036 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:508
L:10107 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:508
L:10393 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:525
```